



Product: [3079T](#)

Profibus, 1 Pr #22 Sol BC, PE Ins, OS+TC Brd, LSZH-TP Jkt, PLTC-ST1 CMG-ST1 Profibus DP

[Request Sample](#)

Product Description

Profibus, 1 Pair 22AWG (Solid) Bare Copper, PE Insulation, Overall Beldfoil®+Tinned Copper Braid(65%) Shield, Low Smoke Zero Halogen Outer Jacket, PLTC-ST1 CMG-ST1 SUN RES Profibus DP

Technical Specifications

Product Overview

Suitable Applications:	shipboard, harsh environment, outdoors, data transmission applications such as Profibus DP or PA, Instrumentation and computer cable, etc. exposure to temperature extremes, humidity/moisture, dust, and oil.
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Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	1	22 AWG	Solid	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Color Code	Notes
Pair(s)	PE - Polyethylene (Foam)	0.035 in (0.89 mm)	Red & Green	Flame Retardant, Foam w/ skin

Outer Shield

Shield Type	Material	Coverage
Tape	Bi-Laminate (Alum+Poly)	100%
Braid	Tinned Copper (TC)	65%

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.100 in (2.54 mm)	0.430 in (10.9 mm)

Overall Cable Diameter (Nominal):	0.430 in (10.9 mm)
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Electrical Characteristics

Electricals

Element	Nom. Characteristic Impedance	Nom. Velocity of Prop.
Pair(s)	150 Ohm	78%

High Frequency (Nominal/Typical)

Element
Pair(s)

Voltage

UL Voltage Rating
300 V (CMG-ST1, PLTC-ST1)

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	-20°C to +75°C

Bulk Cable Weight:	87 lbs/1000ft (130 kg/km)
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Standards and Compliance

NEC / UL Compliance:	Article 725, Article 800, CMG-ST1, PLTC-ST1
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Product Notes

Notes:	Siemens Sinec L2 Cable
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History

Update and Revision:	Revision Number: 0.275 Revision Date: 05-05-2023
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Part Numbers

Variants

Item #	Color	UPC
3079T 0105000	Black	612825140450

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